**Pre Calculus**

**Unit 1 Review**

**Topic List**

Interval Notation

Writing the equation of a line

Given two points

Given a slope and a point

Graphical Analysis

Ex. Can you find f(3) = y?

Ex. Can you find f(x) = 7?

Ex. On what intervals is f(x) > 0?

Increasing/Decreasing

Domain/Range

Max/Mins

Adding/Subtracting/Multiplying Functions

(f + g)(x), (f • g)(x)

Function Composition

(f º g)(x)

Inverse Functions

Calculating inverses

Composing Inverse Functions f(f-1(x)) = x

Parent Functions

Know your basic shapes & names

Transformations

F(x ± c), f(x) ± c, -f(x), c•f(x)

Graphing Piecewise Functions